

**Example #17:** Consider the slide from Example #15. Using the information from part (b) only, what is the efficiency of this section of the slide?

$$\% \text{ eff.} = \frac{\text{useful energy out}}{\text{total energy in}} \times 100$$

$$= \frac{E_k \text{ at bottom}}{E_T \text{ at start}} \times 100$$

$$= \frac{1080}{2672.4} \times 100$$

$$\boxed{\text{Eff.} = 40\%}$$